

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

NONNINGER, et al.

International Application No. PCT/EP2002/013942

Serial No. 10/537,802

International Filing Date: 9 December 2002 (9.12.2002)

Filed: June 7, 2005

For: NANOSCALE CORE/SHELL PARTICLES AND THE PRODUCTION THEREOF

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

An Information Disclosure Statement is submitted herewith pursuant to 37 C.F.R. § 1.97-1.98. Please note the following particulars:

[NOTE: One only of items a, b, c, and d must be checked.]

[X] a. The enclosed statement is being filed within three months of the filing date of a national application, or within three months of the date of entry into the national stage as set forth in 37 C.F.R. § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last.

[] b. The enclosed statement is being filed after a first action on the merits but before the mailing date of a final action under 37 C.F.R. § 1.113, or a notice of allowance under 37 C.F.R. § 1.311.

The enclosed statement is accompanied by [check one]:

[] i. a certification in part (e) below as specified in 37 C.F.R. § 1.97(e), or

[] ii. a check in the amount required by 37 C.F.R. § 1.17(p).

[] c. The enclosed statement is being filed after the mailing date of a final action under 37 C.F.R. § 1.113, or a notice of allowance under 37 C.F.R. § 1.311, but before payment of the issue fee.

[] Certification report(e) below; and

[] a check in the amount as required by § 1.17(p).

[] d. The enclosed statement is being filed pursuant to 37 C.F.R. § 1.97(i), for placement in the file.

[] e. Certification [Check one] [Certification is required only if box (b)(i) or box (c) is checked.]

☐ I hereby certify that each item of information contained in the enclosed Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement,

or

☐ I hereby certify that no item of information in the enclosed Information Disclosure Statement herewith was cited in a communication from a foreign patent office in a counterpart foreign application, or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

or

☐ Appropriate certification is attached.

☒ f. If no check is enclosed and a fee is due in connection with this communication or if the check enclosed is insufficient, the Commissioner is authorized to charge any fee or additional fee due in connection with this communication to Deposit Account No. 14-0112.

☒ g. Copies of the documents are attached herewith with a completed Form PTO-1449.

or

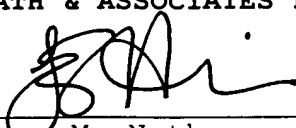
☐ Copies of the documents are not attached as allowed under CFR 1.98(d)(1)(2). The earlier application is identified as:
or Copies of US Patents/Publications not attached as allowed in Official Gazette Aug. 5, 2003/ Vol. 1273, no. 1.

The Examiner is respectfully requested to cite the documents listed on the attached Form PTO-1449 in the next Office Action. In so doing, the Examiner is respectfully requested to initial in the space adjacent to the listing of each document on the Form PTO-1449, and return a copy of the initialed Form PTO-1449 with the next communication to Applicants, to confirm that these documents have been considered by the Examiner and made of record in this application.

If the Examiner has any questions or wishes to discuss this application, kindly telephone the undersigned at the below-listed number.

Respectfully submitted,
NATH & ASSOCIATES PLLC

By:



Gary M. Nath
Registration No. 26,965
Tanya E. Harkins
Registration No. 52,993
Customer No. 20529

Date: August 9, 2005

NATH & ASSOCIATES PLLC
1030 15th Street, N.W., 6th Floor
Washington, D.C. 20005
Tel. (202) 775-8383
Fax. (202) 775-8396
GMN/TEH/lis (IDS.revisedNov03)

FORM PTO-1449

INFORMATION DISCLOSURE CITATIONAtty Docket
26788USerial No.
10/537,802Applicant
NONNINGER et al.Filing Date
June 7, 2005Group Art Unit
Not yet assigned

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Issue Date	Name	Class	Sub-Class	Filing Date
	AA	5,456,986	Oct. 10, 1996	Majetich, et al.			June 30, 1993
	AB	6,685,986 (Cited as 2001/0002275)	Feb. 3, 2004	Oldenburg, et al.			Jan. 5, 2001
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AQ		Kreibig, U., et al., "Interfaces in nanostructures: optical investigations on cluster-matter." NanoStructured Materials, vol. 11, no. 8, pp. 1335-1342, 1999.
	AR		Chen, Lin X., et al., "XAFS Studies of Surface Structures of TiO ₂ Nanoparticles and Photocatalytic Reduction of Metal Ions." J. Phys. Chem. B., vol. 101, no. 50, pp. 10688-10697, 1997.
	AS		Wang, Chong-Mou, et al., " Palladium Catalysis of O ₂ Reduction by Electrons Accumulated on TiO ₂ Particles during Photoassisted Oxidation of Organic Compounds." J. Am. Chem. Soc., vol. 114, no. 13, pp. 5230-5234, 1992.

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.

Draw line through citation if not in conformance and not considered.

Include copy of this form with next communication to Applicant.